

FIG. 1

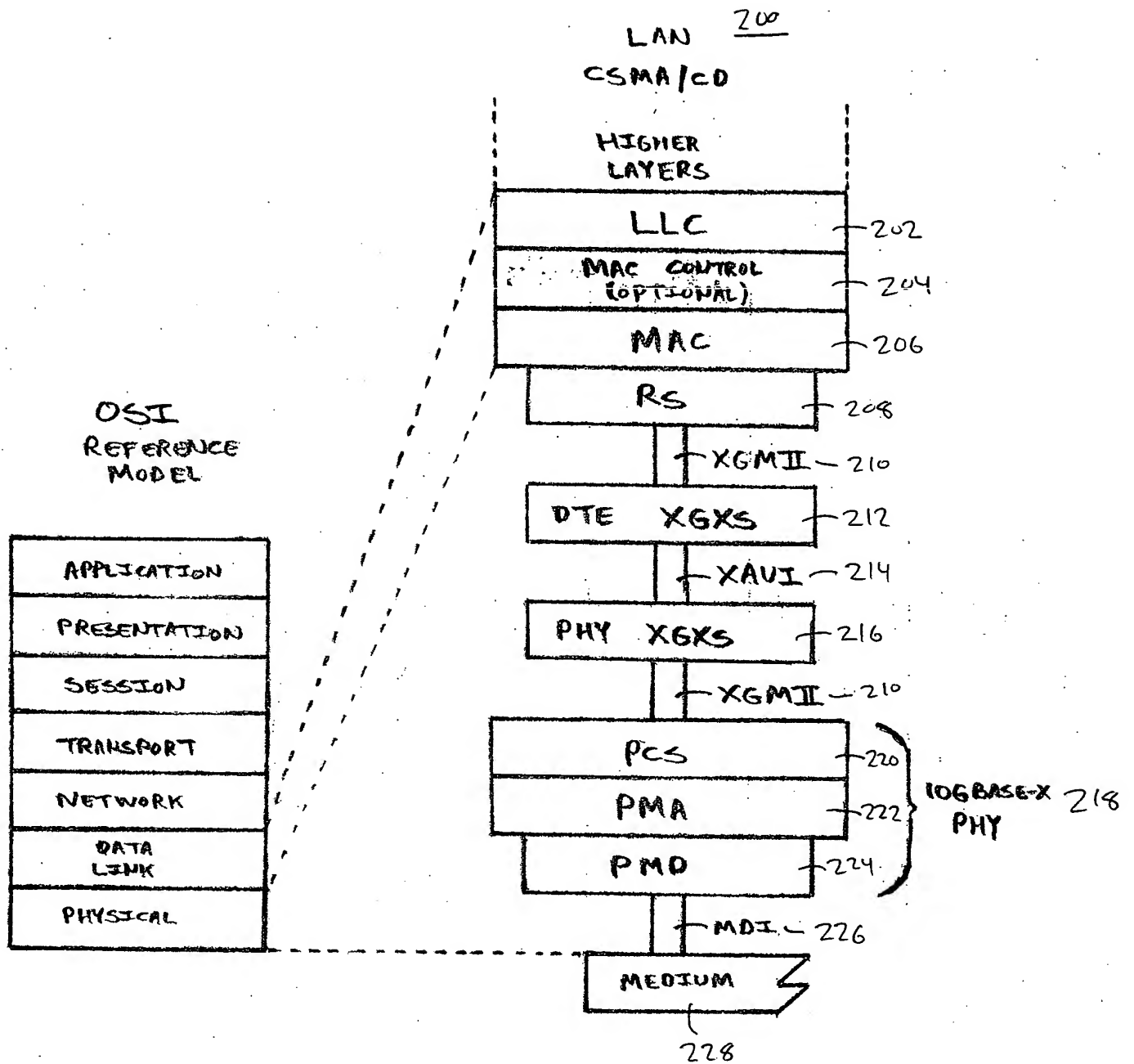


FIG. 2

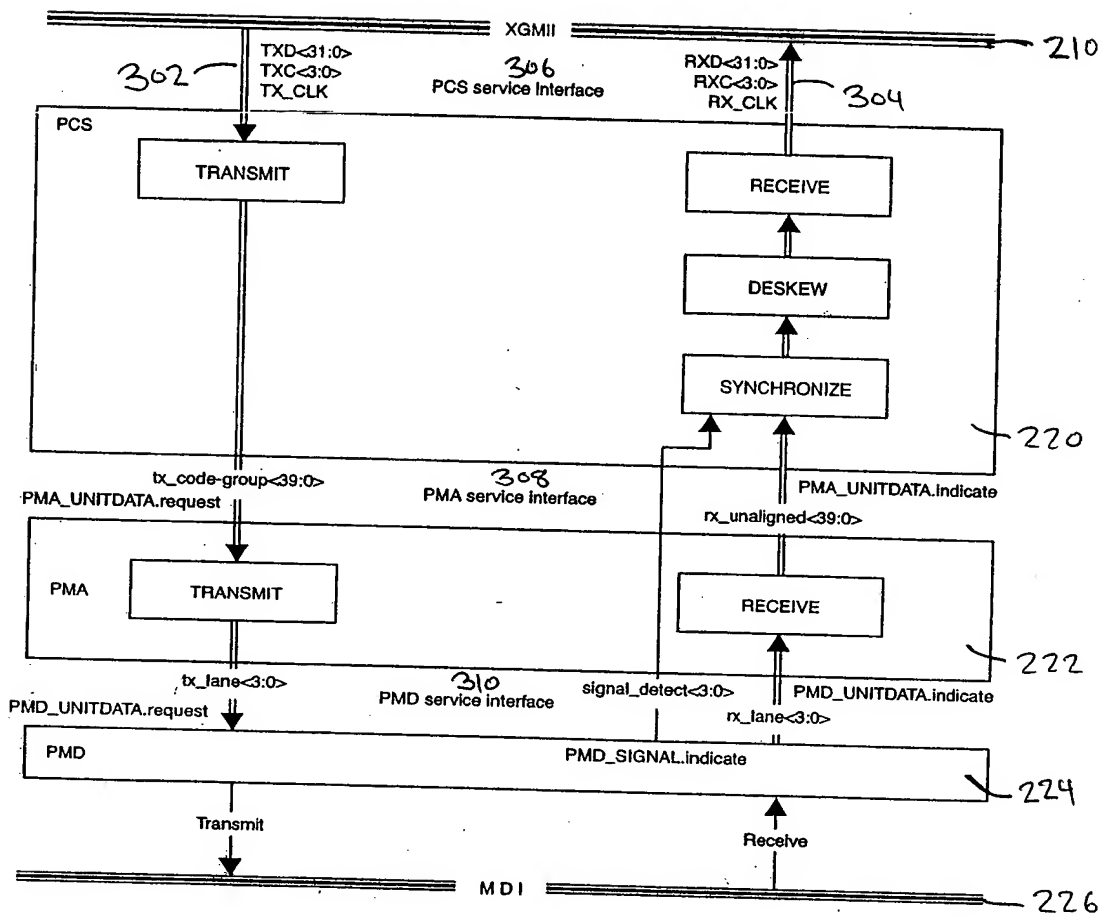


FIG. 3

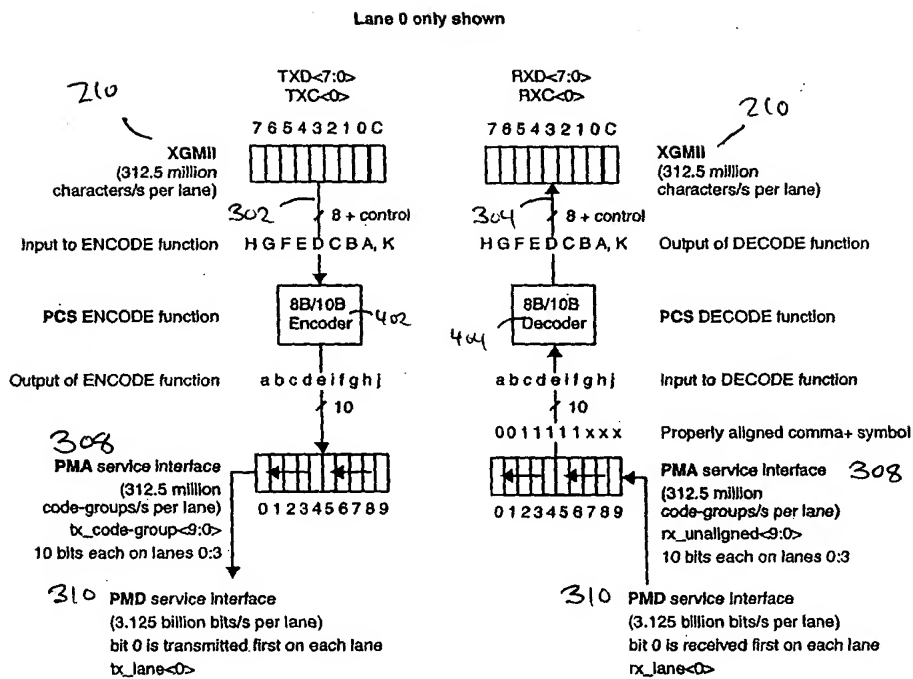


FIG. 4

XGMII TXC	XGMII TXD	PCS code-group	Description
0	00 through FF	Dxx.y	Normal data transmission
1	07	K28.0 or K28.3 or K28.5	Idle in IIII
1	07	K28.5	Idle in IITI
1	9C	K28.4	Sequence
1	FB	K27.7	Start
1	FD	K29.7	Terminate
1	FE	K30.7	Error
1	Other value in Table 36-2	See Table 36-2	Reserved XGMII character
1	Any other value	K30.7	Invalid XGMII character

NOTE—Values in TXD column are in hexadecimal.

Table 36-2—Valid special code groups

Code Group Name	Code Value	Code Bit	Code Bit	Code Bit	Code Bit	Notes
K28.0	07	00111111	00111111	00111111	00111111	1
K28.3	07	00111111	00111111	00111111	00111111	2
K28.5	07	00111111	00111111	00111111	00111111	3
K28.4	9C	10011100	10011100	10011100	10011100	4
K27.7	FB	11111100	11111100	11111100	11111100	5
K29.7	FD	11111100	11111100	11111100	11111100	6
K30.7	FE	11111100	11111100	11111100	11111100	7

NOTE—Values in TXD column are in hexadecimal.

FIG. 5

Code	Ordered_Set	Number of code-groups	Encoding
I	Idle		Substitute for XGMII Idle
K	Sync column	4	/K28.5/K28.5/K28.5/K28.5/
R	Skip column	4	/K28.0/K28.0/K28.0/K28.0/
A	Align column	4	/K28.3/K28.3/K28.3/K28.3/
	<b>Encapsulation</b>		
S	Start column	4	/K27.7/Dx.y/Dx.y/Dx.y/ <sup>a</sup>
T	Terminate column	4	Terminate code-group in any lane
T <sub>0</sub>	Terminate in Lane 0	4	/K29.7/K28.5/K28.5/K28.5/
T <sub>1</sub>	Terminate in Lane 1	4	/Dx.y/K29.7/K28.5/K28.5/ <sup>a</sup>
T <sub>2</sub>	Terminate in Lane 2	4	/Dx.y/Dx.y/K29.7/K28.5/ <sup>a</sup>
T <sub>3</sub>	Terminate in Lane 3	4	/Dx.y/Dx.y/Dx.y/K29.7/ <sup>a</sup>
	<b>Control</b>		
/E/	Error code-group	1	/K30.7/
	<b>Link Status</b>		
Q	Sequence ordered_set	4	/K28.4/Dx.y/Dx.y/Dx.y/ <sup>a</sup>
LF	Local Fault signal	4	/K28.4/D0.0/D0.0/D1.0/
RF	Remote Fault signal	4	/K28.4/D0.0/D0.0/D2.0/
Qrsvd	Reserved	4	LF   and    RF
	<b>Reserved</b>		
Fsig	Signal ordered_set	4	/K28.2/Dx.y/Dx.y/Dx.y/ <sup>a,b</sup>
<sup>a</sup> /Dx.y/ indicates any data code-group.			
<sup>b</sup> Reserved for INCITS T11.			

FIG. 6

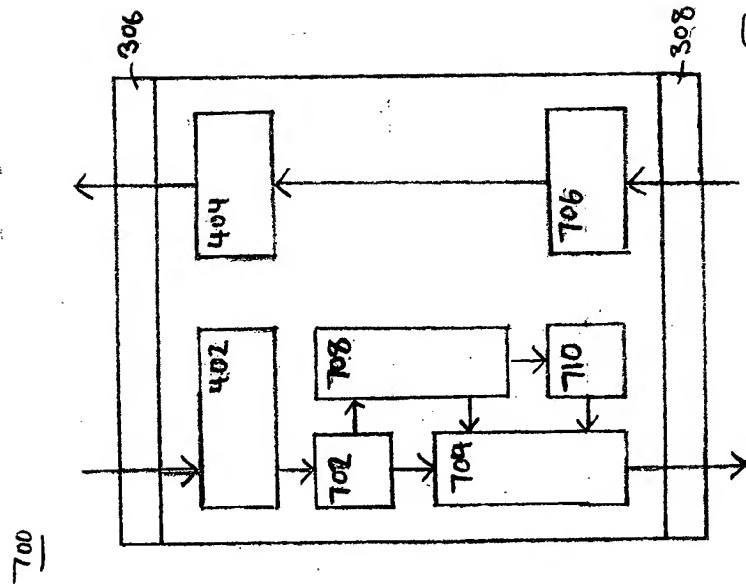


FIG. 7

FIG. 8A

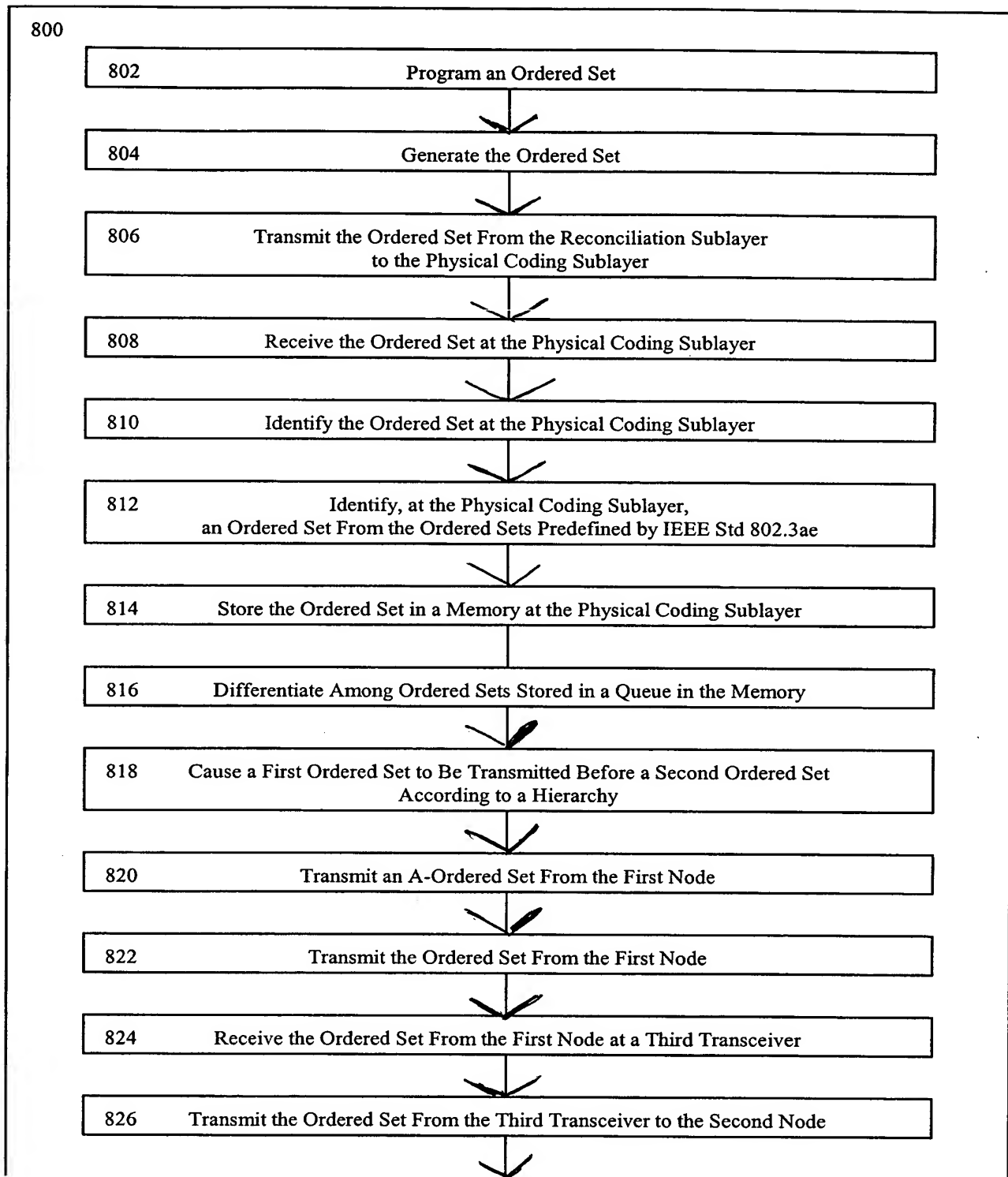




FIG. 8B

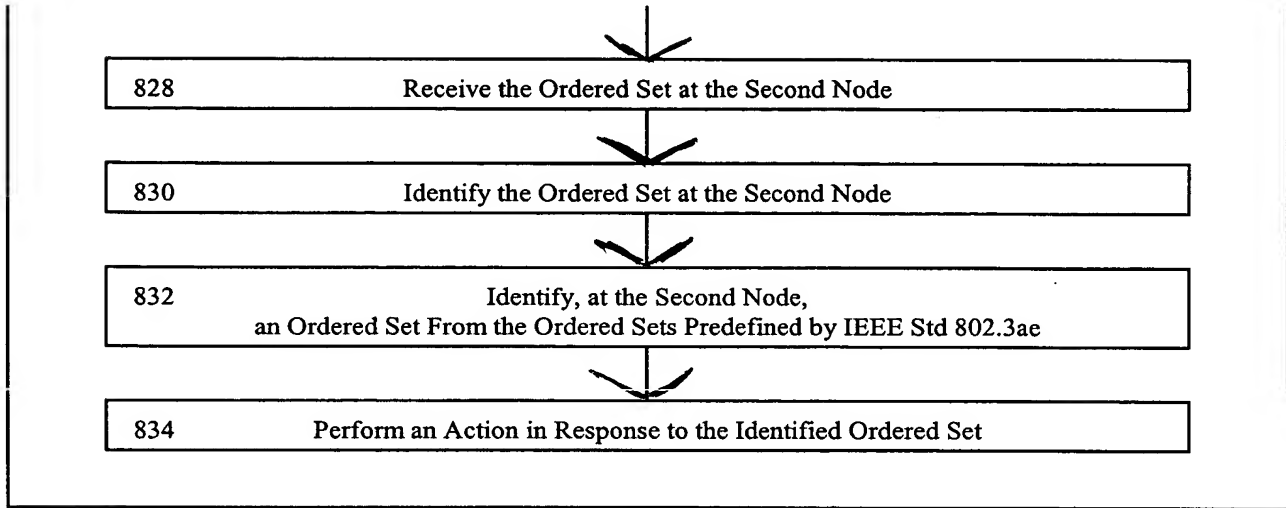


FIG. 9

